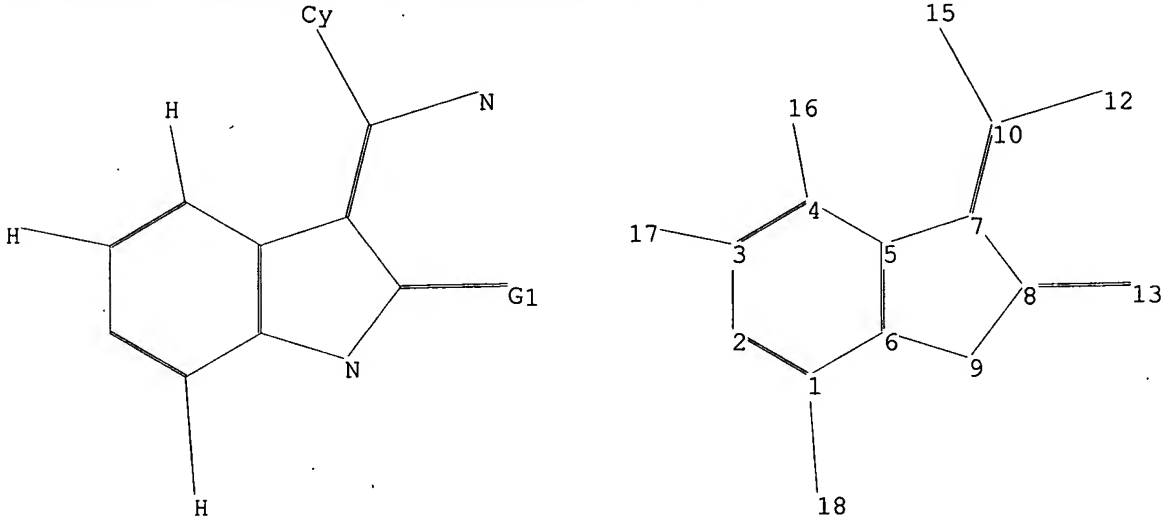
STN CAPLUS Search Strategy

FILE COVERS 1907 - 5 Oct 2005 VOL 143 ISS 15
FILE LAST UPDATED: 4 Oct 2005 (20051004/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
Uploading C:\Program Files\Stnexp\Queries\10656863\1st look5.str



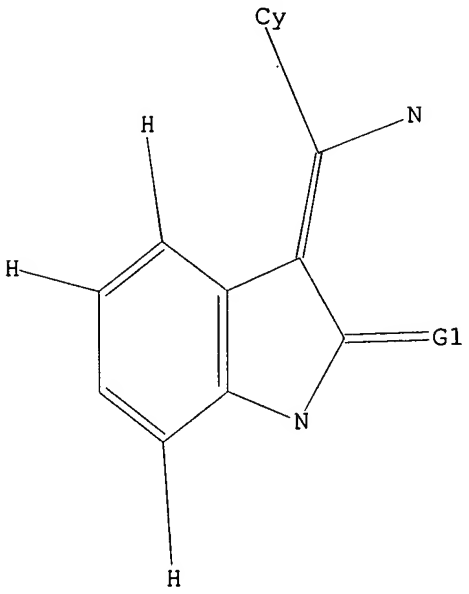
chain nodes :
10 12 13 15 16 17 18
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
1-18 3-17 4-16 7-10 8-13 10-12 10-15
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9
exact/norm bonds :
6-9 8-9 8-13 10-12 10-15
exact bonds :
1-18 3-17 4-16 5-7 7-8 7-10
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

G1:O,S

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
12:CLASS 13:CLASS 15:Atom 16:CLASS 17:CLASS 18:CLASS

L1 STRUCTURE UPLOADED

=> D L1
L1 HAS NO ANSWERS
L1 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

=> S L1
REGIstRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 14:12:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 259 TO ITERATE

100.0% PROCESSED 259 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 4215 TO 6145
PROJECTED ANSWERS: 1130 TO 2228

L2 50 SEA SSS SAM L1

L3 6 L2

=> S L1 FULL
REGIstRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 14:12:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 5144 TO ITERATE

100.0% PROCESSED 5144 ITERATIONS 1464 ANSWERS
SEARCH TIME: 00.00.01

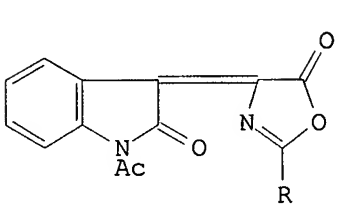
L4 1464 SEA SSS FUL L1

L5 25 L4

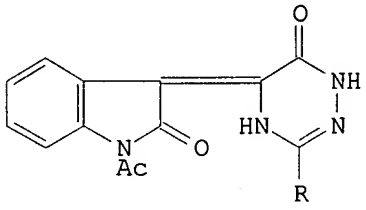
=> D IBIB HITSTR 1-25

Closest Art

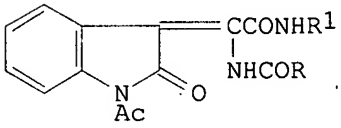
L10 ANSWER 19 OF 25 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1992:255518 CAPLUS
DOCUMENT NUMBER: 116:255518
TITLE: Synthesis and some reactions of 4-(N-acetyloxindolylidene)-2-aryl-5(4H)-oxazolones
AUTHOR(S): Kandile, Nadia G.; Abdel Latif, Tahia M.; El Sayed, Wafaa A.
CORPORATE SOURCE: Univ. Coll. Women, Ain Shams Univ., Cairo, Egypt
SOURCE: Revue Roumaine de Chimie (1991), 36(1-3), 245-50
CODEN: RRCHAX; ISSN: 0035-3930
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 116:255518
GI



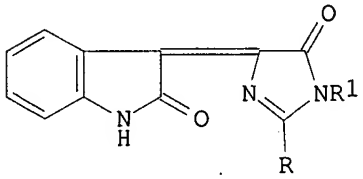
I



II



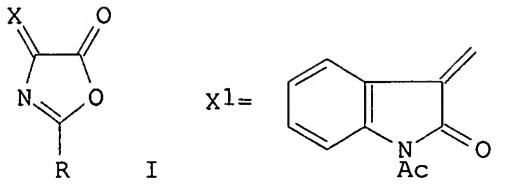
III

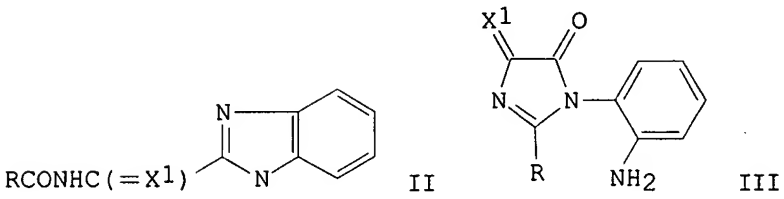


IV

AB Oxazolones I (R = Ph, Et) were prepared by the condensation of isatin with acylglycines RCONHCH2CO2H under Perkin conditions. The hydrolysis of I gave the corresponding deacetyl derivs. The hydrazinolysis of I with hydrazine at room temperature gave cyclic hydrazides II. The aminolysis of I with H2NR1 (R1 = NHPh, CH2Ph, Ph) gave amides III. The cyclization of III in boiling 6N HCl gave lactams IV.

L10 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1991:81699 CAPLUS
DOCUMENT NUMBER: 114:81699
TITLE: Reaction of 2-aryl-4-(N-acetyloxindolylidene)oxazolin-5-ones with B-substituted amines
AUTHOR(S): Kandile, Nadia G.
CORPORATE SOURCE: Univ. Coll. Women, Ain Shams Univ., Heliopolis, Egypt
SOURCE: Oriental Journal of Chemistry (1989), 5(2), 139-42
CODEN: OJCHEG; ISSN: 0970-020X
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 114:81699
GI





AB Oxazolinones I (R = Ph, Me, X = X1) reacted with o-(H2N)2C6H4 to give RCONHC(:X1)CONHC6H4NH2-2 which were cyclized by AcONa-AcOH to benzimidazoles II. Treatment of I with o-(H2N)2C6H4 and AcONa gave imidazoles III which were cyclized to the benzimidazoles by AcONa-AcOH. Similar results were obtained with o-H2NC6H4CO2H.

L10 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1968:443798 CAPLUS
DOCUMENT NUMBER: 69:43798
TITLE: Indole derivatives
INVENTOR(S): Teshigawara, Takashi; Kobayashi, Goro; Matsuda, Yoshiro
SOURCE: Jpn. Tokkyo Koho, 9 pp.
CODEN: JAXXAD
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 42024899	B4	19671129	JP	19651227

GI For diagram(s), see printed CA Issue.

AB A mixture of 2 g. 3-[bis(methylthio)methylene]-2-oxindole, 10 ml. EtOH, and 1.5 g. ethylenediamine is heated 1 hr. to give 50% I [R = H, (R1R2 =) NHCH2CH2NH, pale yellow, m. >296°. Similarly prepared are the following I (R, R1, R2, and m.p. given): Me, (R1R2 =) NHCH2CH2NH, 256°; H, (R1R2 =) NHCH2CH2O, 261-3°; Me, (R1R2 =) NHCH2CH2O, 242°; Me, MeS, EtO2-CCH2NH, 133.5°; Me, MeS, H2NC(:NH)NH, 236°; H, NH2NH, NH2NH, 183-4°; Me, MeS, cyclohexylamino, 90-1°; Me, Bu2N, NH2NH, 168-9°; H, MeS, PhNH, 167-8°; Me, MeS, PhNH, 124-8°; H, PhNH, 212-13°; H, MeS, morpholino, 234-6°; H, morpholino, morpholino, 300°; Me, MeS, MeS, 174-6°; Me, 1-piperidinyl, NH2NH, 188-90°. The products are bactericides and anti-virus drugs.